Recd 6/30/21

MISSISSIPPI STATE DEPARTMENT OF HEALTH

2020 CERTIFICATION

Consumer Confidence Report (CCR)

Union Water Association of Choctaw Co. MS Inc.

Public Water System Name

0100017

List PWS ID #s for all Community Water Systems included in this CCR

The Federal Safe Drinking Water Act (SDWA) requires each Community Public Water System (PWS) to develop and distribute a Consumer Confidence Report (CCR) to its customers each year. Depending on the population served by the PWS, this CCR must be mailed or delivered to the customers, published in a newspaper of local circulation, or provided to the customers upon request. Make sure you follow the proper procedures when distributing the CCR.

CCR DISTRIBUTION *(Check all boxes that apply.)*

INDIRECT DELIVERY METHODS *(Attach copy of publication, water bill or other)*	DATE ISSUED
☐ Advertisement in local paper *(Attach copy of advertisement)*	
☑ On water bills *(Attach copy of bill)*	April 17, 2021
☐ Email message *(Email the message to the address below)*	
☐ Other _____	
DIRECT DELIVERY METHOD *(Attach copy of publication, water bill or other)*	**DATE ISSUED**
☐ Distributed via U. S. Postal Mail	
☐ Distributed via E-Mail as a URL *(Provide Direct URL)*: _____	
☐ Distributed via E-Mail as an attachment	
☐ Distributed via E-Mail as text within the body of email message	
☐ Published in local newspaper (attach copy of published CCR or proof of publication)	
☐ Posted in public places (attach list of locations)	
☐ Posted online at the following address *(Provide Direct URL)*: _____	

CERTIFICATION

I hereby certify that the CCR has been distributed to the customers of this public water system in the form and manner identified above and that I used distribution methods allowed by the SDWA. I further certify that the information included in this CCR is true and correct and is consistent with the water quality monitoring data provided to the PWS officials by the MSDH, Bureau of Public Water Supply.

Kathy Edwards	Billing Clerk	6-30-21
Name	Title	Date

SUBMISSION OPTIONS *(Select one method ONLY)*

You must email, fax (not preferred), or mail a copy of the CCR and Certification to the MSDH.

Mail: (U.S. Postal Service)
MSDH, Bureau of Public Water Supply
P.O. Box 1700
Jackson, MS 39215

Email: water.reports@msdh.ms.gov

Fax: (601) 576-7800 (NOT PREFERRED)

CCR DEADLINE TO MSDH & CUSTOMERS: BY JULY 1, 2021

2020 Annual Drinking Water Quality Report
Union Water Association
Public Water System ID No. MS0100017

We're very pleased to provide you with this years Annual Drinking Water Quality Report. We want to keep you informed about the excellent water and services we have delivered to you over the past year. Our goal is to provide to you a safe and dependable supply of drinking water.

Is My Water Safe?
Last year, as in years past, your tap water met all U.S. Environmental Protection Agency (EPA) and Mississippi State Department of Health (MSDH) drinking water health standards. Union Water vigilantly safeguards its water supplies and once again we are proud to report that our system has never violated a Maximum Contaminant Level (MCL) or any other water quality standard.

Do I Need to Take Special Precautions?
Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. EPA/Centers for Disease Control (CDC) guidelines on appropriate means to lessen the risk of infection by Cryptosporidium and other microbial contaminants are available from the Safe Water Drinking Hotline (800-426-4791).

Where Does My Water Come from?
Our water source is from two deep wells pumping from the Lower Wilcox Aquifer.

Source Water Assessment and Its Availability:
Our source water assessment is currently being conducted and is not available at this time. As soon as it is completed, you will be notified and copies of this assessment will be made available.

Why Are There Contaminants in Drinking Water?
Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's (EPA) Safe Drinking Water Hotline (800-426-4791).

Additional information on lead in drinking water: If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. Union Water Association is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your drinking water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at http://www.epa.gov/safewater/lead. The Mississippi State Department of Health Laboratory offers lead testing for $10 per sample. Please contact 601-576-7582 if you wish to have your water tested.

How Can I Get Involved?
Our quarterly board meetings are held on the second Monday in March, June, September, and December at 7:00 PM at the well site on W. Wilson Road. The annual membership meeting is held on the second Monday in May at

7:00 p.m. at the well site on W. Wilson Road. We encourage all members who have any questions or concerns to meet with us.

Contact Information:
Tommy Edwards - Union Water Association • 170 W Wilson Rd. • Eupora, MS 39744 • (662) 258-4758, (662) 312-2452 or edderds@yahoo.com

Water Quality Data Table

The table below lists all of the drinking water contaminants that we detected during the calendar year of this report. The presence of contaminants in the water does not necessarily indicate the water poses a health risk. Unless otherwise noted, the data presented in this table is from the testing done in the calendar year of the report. The EPA or the State requires us to monitor for certain contaminants less than once per year because the concentration of these contaminants do not change frequently.

Contaminant	Violation	Sample Date	Level Detected	Range of Detects or # of Samples Exceeding MCL/AL	Unit of Measure	MCLG or MRDLG	MCL TT or MRDL	Typical Source of Contamination
Inorganic Contaminants								
1010. Barium	No	2020	0.0176	No Range	ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
1005. Arsenic	No	2020	0.000600	No Range	ppm		0.10	Erosion of natural deposits; runoff from orchards; runoff from glass and electronics production wastes
1025. Fluoride	No	2020	0.242	No Range	ppm	4	4	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
1074. Antimony	No	2020	<0.0005	No Range	ppm		0.006	Discharge from petroleum refineries; fire retardants; ceramics; electronics; solder; test addition
1075. Beryllium	No	2020	<0.0005	No Range	ppm		0.004	Discharge from metal refineries and coal burning factories; discharge from electrical, aerospace, and defense industries
1015. Cadmium	No	2020	<0.0005	No Range	ppm		0.005	Corrosion of galvanized pipes; erosion of natural deposits; discharge from metal refineries; runoff from waste batteries and paint
1020. Chromium	No	2020	0.00120	No Range	ppm		0.1	Discharge from steel and pulp mills; erosion of natural deposits
1035. Mercury	No	2020	<0.0005	No Range	ppm		0.002	Erosion of natural deposits; discharge from refineries and factories; runoff from landfills; runoff from cropland
1036. Nickel	No	2020	<0.0005	No Range	ppm			
1045. Selenium	No	2020	0.00280	No Range	ppm		0.05	Discharge from petroleum and metal refineries; erosion of natural deposits; discharge from mines
1081. Cobalt	No	2020	<0.0005	No Range	ppm			
1084. Molybdenum	No	2020	<0.0005	No Range	ppm			
1085. Thallium	No	2020	<0.0005	No Range	ppm		0.002	Discharge from electronics, glass, and leaching from ore processing sites; drug factories
1024. Cyanide	No	2020	<0.015	No Range	ppm		0.2	Discharge from plastic, fertilizer factories; discharge from steel/metal factories
1040. Nitrate	No	2020	<0.08	No Range	ppm		10	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
1041. Nitrite	No	2020	<0.02	No Range	ppm		1	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
1038. Nitrate + Nitrite	No	2020	<0.1	No Range	ppm		10	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
1030. Lead	No	2020	<0.0005	No Range	ppm		AL 15	Corrosion of household plumbing systems; erosion of natural deposits
1022. Copper	No	2020	0.1035	No Range	ppm		AL 1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives

Volatile Organic Contaminants

2378 1,2,4-Trichlorobenzene	No	2018	<0.5	No Range	ppb		70	Discharge from textile finishing factories
2380 CIS-1,2-Dichloroethylene	No	2018	<0.5	No Range	ppb		70	Discharge from industrial chemical factories
2941 Chloroform	No	2020	32.4	No Range	ppb			
2942 Bromoform	No	2020	1.45	No Range	ppb			
2943 Bromodichloro-methane	No	2020	23.9	No Range	ppb			
2944 Dibromochloro-methane	No	2020	16.9	No Range	ppb			
2955 Xylenes	No	2018	<0.5	No Range	ppb		10000	Discharge from petroleum factories; discharge from chemical factories
2964 Dichloromethane	No	2018	<0.5	No Range	ppb		5	Discharge from pharmaceutical and chemical factories
2968 O-Dichlorobenzene	No	2018	<0.5	No Range	ppb		600	Discharge from industrial chemical factories
2969 P-Dichlorobenzene	No	2018	<0.5	No Range	ppb		75	Discharge from industrial chemical factories
2976 Vinyl Chloride	No	2018	<0.5	No Range	ppb		2	Leaching from PVC piping; discharge from plastics factories
2977 1,1-Dichloroethylene	No	2018	<0.5	No Range	ppb		7	Discharge from industrial chemical factories
2979 Trans-1,2-Dichloroethylene	No	2018	<0.5	No Range	ppb		100	Discharge from industrial chemical factories
2980 1,2-Dichloroethane	No	2018	<0.5	No Range	ppb		5	Discharge from industrial chemical factories
2981 1,1,1-Trichloroethane	No	2018	<0.5	No Range	ppb		200	Discharge from metal degreasing sites and other factories
2982 Carbon Tetrachloride	No	2018	<0.5	No Range	ppb		5	Discharge from chemical plants and other industrial activities
2983 1,2-Dichloropropane	No	2018	<0.5	No Range	ppb		5	Discharge from industrial chemical factories
2984 Trichloroethylene	No	2018	<0.5	No Range	ppb		5	Discharge from metal degreasing sites and other factories
2985 1,1,2-Trichloroethane	No	2018	<0.5	No Range	ppb		5	Discharge from industrial chemical factories
2987 Tetrachloroethylene	No	2018	<0.5	No Range	ppb		5	Discharge from factories and dry cleaners
2989 Monochlorobenzene	No	2018	<0.5	No Range	ppb		100	Discharge from chemical and agricultural chemical factories
2990 Benzene	No	2018	<0.5	No Range	ppb		5	Discharge from factories; leaching from gas storage tanks and landfills
2991 Toluene	No	2018	<0.5	No Range	ppb		1000	Discharge from petroleum factories
2992 Ethylbenzene	No	2018	<0.5	No Range	ppb		700	Discharge from petroleum refineries

2996 Styrene	No	2018	<0.5	No Range	ppb		100	Discharge from rubber and plastics factories; leaching from landfills

Residual Disinfectant By-Products

0999 Chlorine (as Cl2)	No	2020	1.20	Low Range 0.90	High Range 1.40	mg/l	4.0	Water additive used to control microbes

Disinfectant and Disinfection By-Products

2950 RAATrihalomethanes (TTHM)	No	2020	74.6	No Range	ppb		80	By-product of drinking water disinfection
2456 RAA Haloacetic Acids (HAA5)	No	2018	36.0	No Range	ppb		60	By-product of drinking water chlorination

Microbiological Contaminants

9223 Total Coliform	No	2013	0	No Range	Positive samples/month		1	Naturally present in the environment

Radionuclides

4006 Combined Uranium	No	2018	<0.5	No Range	ppb		30	
4020 Radium-226	No	2014	<0.2	No Range	Pci/l		1.15	
4030 Radium-228	No	2014	<0.7	No Range	Pci/l		1.15	
4109 Gross Alpha Particle Activity	No	2014	0.3	No Range	Pci/l		1.15	
4010 Combined Radium (-226 &-228)	No	2011	<0.528	No Range	Pci/l		5	

Sodium

Sodium	No	2020	120	No Range	ppm		<20	Likely source of contamination – road salt, water treatment chemicals, water softeners and sewage effluents

Total Coliform

Coliforms are bacteria that are naturally present in the environment and are used as an indicator other, potentially harmful, bacteria may be present. Coliforms were found in more samples than allowed and this was a warning of potential problems. This violation occurred in March 2009. It was resolved within one week. For each detect of total coliforms, additional samples were collected at the sites where total coliforms was detected, upstream of each site and downstream of each site. Results showed all samples free of total coliform; however, it was noted that the chlorine residual in these areas was lower than usual. The amount of chlorine was increased to insure an adequate residual was maintained.

Unit Descriptions

ppm: parts per million, or milligrams per liter (mg/1)
ppb: parts per billion, or micrograms per liter

positive samples/month: Number of samples taken monthly that were found to be positive
Picocuries per liter (pCi/L): Picocuries per liter is a measure of the radioactivity in water
ND: Not detected.
NA: Not applicable
NR: Monitoring not required, but recommended

Important Drinking Water Definitions

AL: Action Level: The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

TT: Treatment Technique: A required process intended to reduce the level of a contaminant in drinking water.

MCL: Maximum Contaminant Level: The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.

MCLG: Maximum Contaminant Level Goal: The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.

Variances and Exemptions: State or EPA permission not to meet a MCL or a treatment technique under certain conditions.

MRDLG: Maximum residual disinfection level goal. The level of a drinking water disinfectant below which there is no known or expected risk to health. MLDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.

MRDL: Maximum residual disinfection level. The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.

MAIL PAYMENT TO
Union Water
Association
170 W.Wilson Road
Eupora, MS 39744

DATE	17-Apr-21
ACCOUNT #	5

METER READINGS	
02/28/21	03/31/21
3791540	3798190
USED (GAL)	6650

AMOUNT DUE			
PRESENT	PREVIOUS		AFTER
$40.60		$40.60	$44.66

Payment is due by April 30, 2021. Past due members will be disconnected after the 25th of the next month. NO EXCEPTIONS! We are an equal opportunity provider.
Annual Meet May 10, @7PM, @ Woods Springs Church
CCR report ready on July 1.

ENCLOSE THIS STUB WITH PAYMENT

DATE	17-Apr-21
ACCOUNT #	5
	AFTER
$40.60	$44.66

Stevie Forbes
936 Box Road
Eupora, MS 39744

MAIL PAYMENT TO
Union Water
Association
170 W.Wilson Road
Eupora, MS 39744

DATE	17-Apr-21
ACCOUNT #	6

METER READINGS	
02/28/21	03/31/21
1914890	1918810
USED (GAL)	3920

AMOUNT DUE			
PRESENT	PREVIOUS		AFTER
$29.68	$82.92	$112.60	$122.86

Payment is due by April 30, 2021. Past due members will be disconnected after the 25th of the next month. NO EXCEPTIONS! We are an equal opportunity provider.
Annual Meet May 10, @7PM, @ Woods Springs Church
CCR report ready on July 1.

ENCLOSE THIS STUB WITH PAYMENT

DATE	17-Apr-21
ACCOUNT #	6
	AFTER
$112.60	$122.86

Jan Smith
1236 Box Road
Eupora, MS 39744

MAIL PAYMENT TO
Union Water
Association
170 W.Wilson Road
Eupora, MS 39744

DATE	17-Apr-21
ACCOUNT #	7

METER READINGS	
02/28/21	03/31/21
432360	436970
USED (GAL)	4610

AMOUNT DUE			
PRESENT	PREVIOUS		AFTER
$32.44		$32.44	$35.68

Payment is due by April 30, 2021. Past due members will be disconnected after the 25th of the next month. NO EXCEPTIONS! We are an equal opportunity provider.
Annual Meet May 10, @7PM, @ Woods Springs Church
CCR report ready on July 1.

ENCLOSE THIS STUB WITH PAYMENT

DATE	17-Apr-21
ACCOUNT #	7
	AFTER
$32.44	$35.68

Lacy Dean
1189 Box Road
Eupora, MS 39744

MAIL PAYMENT TO
Union Water
Association
170 W.Wilson Road
Eupora, MS 39744

DATE	17-Apr-21
ACCOUNT #	8

METER READINGS	
02/28/21	03/31/21
2220920	2225460
USED (GAL)	4540

AMOUNT DUE			
PRESENT	PREVIOUS		AFTER
$32.16		$32.16	$35.38

Payment is due by April 30, 2021. Past due members will be disconnected after the 25th of the next month. NO EXCEPTIONS! We are an equal opportunity provider.
Annual Meet May 10, @7PM, @ Woods Springs Church
CCR report ready on July 1.

ENCLOSE THIS STUB WITH PAYMENT

DATE	17-Apr-21
ACCOUNT #	8
	AFTER
$32.16	$35.38

Nelson Dean
212 Box Ext.
Eupora, MS 39744